

## RESULTS OF NEW HAMPSHIRE'S ARRA-DERA GRANT PROGRAM



Over the past decade, the EPA has required new diesel-powered vehicles to meet increasingly stringent emissions standards. Because diesel engines can operate for 20 to 30 years, millions of older, dirtier diesel engines are still in use nationwide. EPA's Diesel Emission Reduction Act (DERA) program helps fund projects that reduce emission from these older vehicles by installing tailpipe controls, replacing engines and vehicles, and reducing idling.

In 2009, New Hampshire was the recipient of \$1.73 million in DERA funds via the

American Recovery and Reinvestment Act (ARRA). DES distributed these funds throughout the state via a competitive process that ranked proposals on diesel emission reduction potential, economic benefit to the community impacted by the project, and other criteria.

Fifteen recipients from across New Hampshire received awards ranging from \$20,000 to \$260,000, comprising thirty-five idle reduction units, fifteen engine replacements, including marine engines and fourteen vehicle replacements. The grants leveraged over \$2.1 million in non-federal funds that were contributed by the recipients as match.

Combined, these projects will yield significant emission reductions as well as fuel savings. Idle reduction technology installed as a result of this program has the potential to save 30,245 gallons of diesel fuel on an annual basis. Emission of nitrous oxides will be reduced by 22.4 tons per year for all funded projects. Fine particulate matter and hydrocarbon emissions will be reduced by 10 tons each over the lifetime of the equipment. Another benefit of the program will be a 260 ton reduction in annual greenhouse gas emissions.

Projects associated with New Hampshire's ARRA-DERA funds will go a long way in protecting air quality for years to come.